

ABSTRACT AMENDMENTS:

Please amend the Abstract as follows:

A method for updating coefficients in a decision feedback equalizer (DFE). The DFE comprises an ISI canceller for canceling inter-symbol interference (ISI) from a plurality of first signals received from a channel. A first symbol comprising a set of the first signals is decoded to generate a decoded symbol. Then, a vector of error values computed as the difference between the decoded symbol, and the first symbol is obtained. According to the decoded symbol and the vector of the error values, a temp matrix is generated. Next, the values of the elements in every diagonal line of the temp matrix are averaged. Finally, the coefficients are updated by the Toeplitz Matrix.